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APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG. 1

HindIII

pKK223-3 TTCACACAGGAAACAGAAATTCCTCGGGGATCCGTCGACCTGCAGCCAAGCTT

SEQ ID NO:180

pKK223-3N TTCACATAAGGAGGAAAAAaccatggGATCCG-----AAGCTT

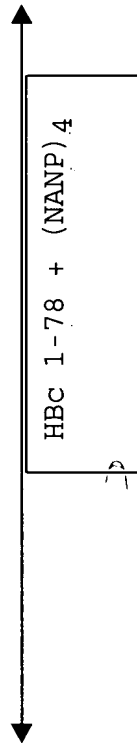
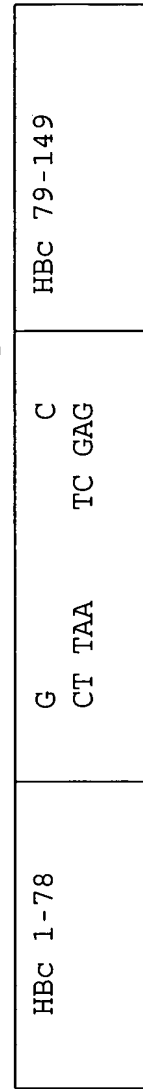
NcoI

SEQ ID NO:181

FIG. 2A

Cloning Step 1

I N A N P N A N P N A N P N A N P E L
A ATT AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT
TTG CGA TTA GGC TTG CGA TTA GGC TTG CGA TTA GGC TTG CGA TTA GGC C



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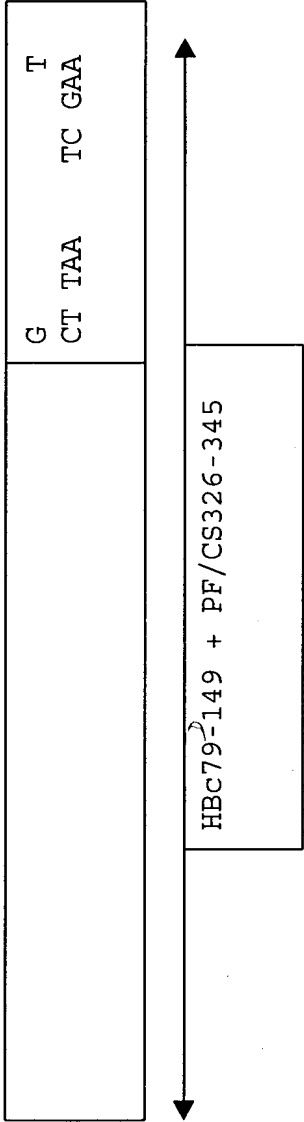
FIG. 2B

Cloning Step 2 -

I E Y L N K I Q N S L S T E W S P C S V T *

A ATT GAA TAT CTG AAC AAA ATC CAG AAC TCT CTG TCC ACC GAA TGG TCT CCG TGC TCC GTT ACC TAA AAG CT

CTT ATA GAC TTG TTT TAG GTC TTG AGA GAC AGG TGG CTT ACC AGA GGC ACG AGG CAA TGG ATT T



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FIG. 2C

Cloning Step 3

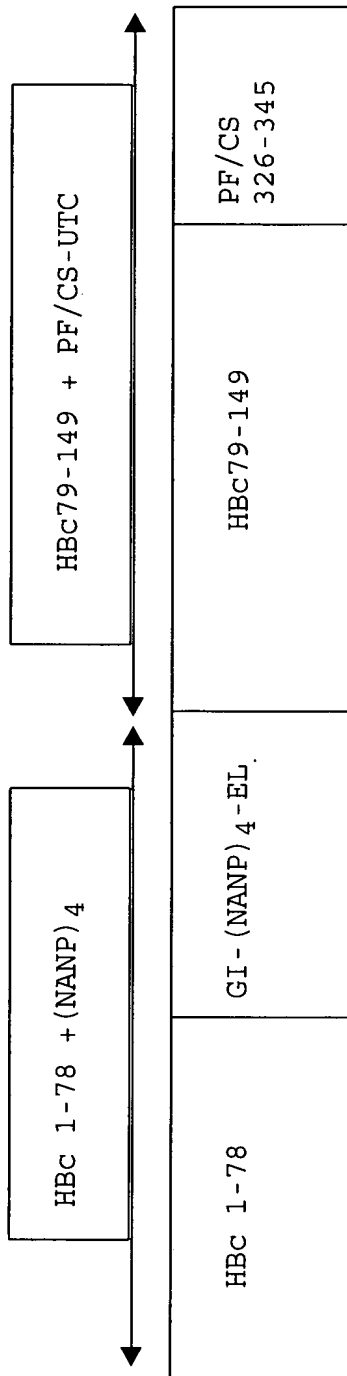


FIG. 3

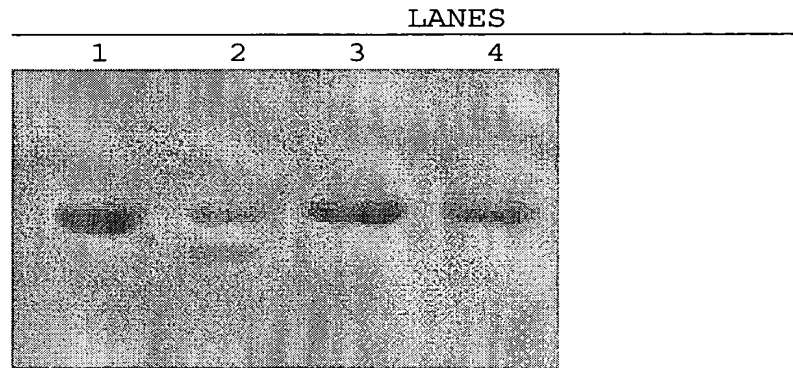
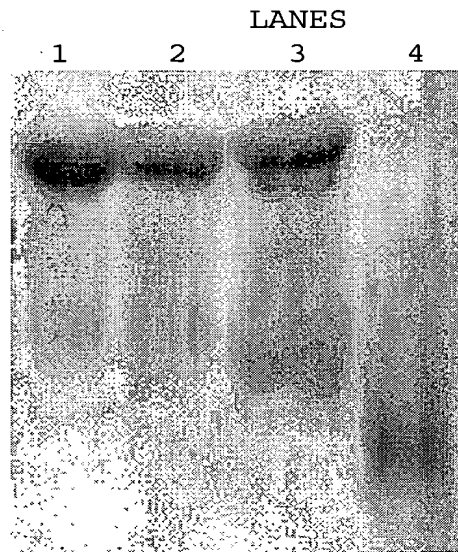


FIG. 4

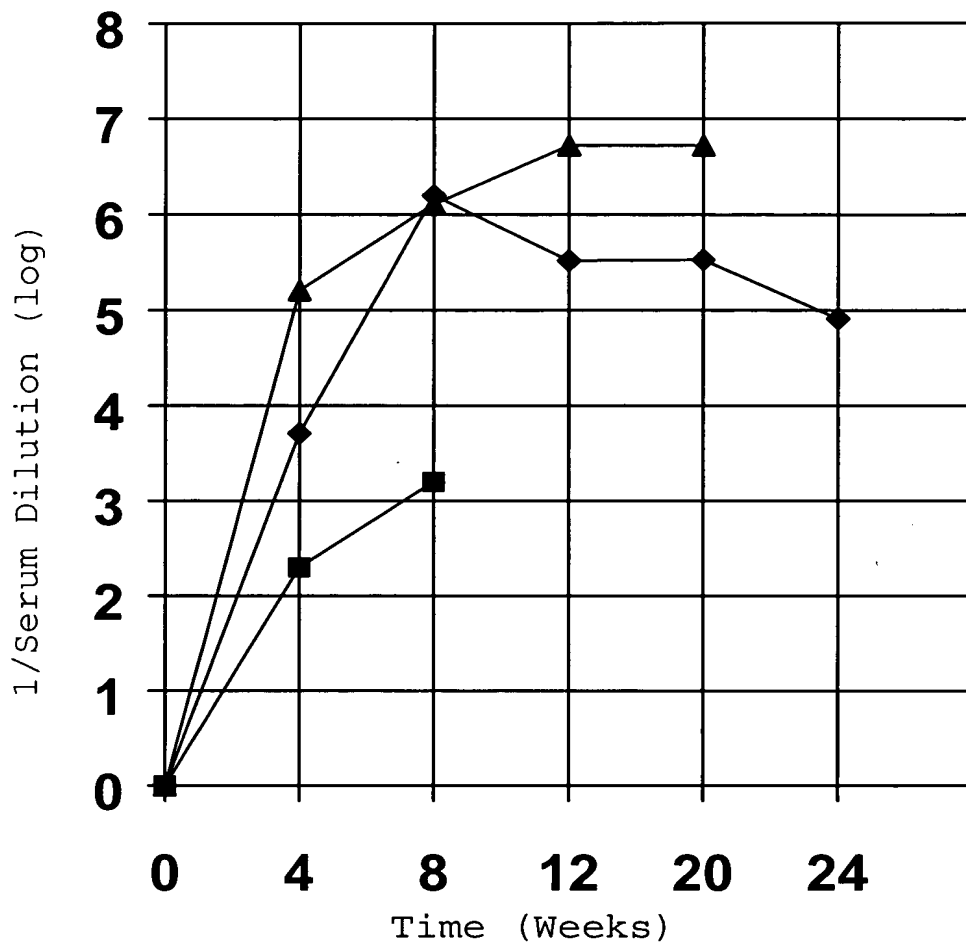


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FIG. 3

7

FIG. 5



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FIG. 6A

Ground Squirrel mylfhlclvf acvpcptvqa sklclglwld

1

HBC AYW mdidpykefg atvellsflp sdfpfsvrdl ldtasalyre

HBC ADW mdidpykefg atvellsflp sdfpfsvrdl ldtasalyre

HBC ADW2 mdidpykefg atvellsflp sdfpfsvrdl ldtasalyre

HBC ADYW mdidpykefg atvellsflp sdfpfsvrdl ldtaaalryd

Woodchuck mdidpykefg ssyqlnflp ldffpdlal vdtatalyee

Ground Squirrel mdidpykefg ssyqlnflp ldffpdlal vdtaaalyee

41

HBC AYW alespehcsp hhtalrqail cwgelmtlat wvgvnledpa

HBC ADW alespehcsp hhtalrqail cwgelmtlat wvgnnlqdp

HBC ADW2 alespehcsp hhtalrqail cwgelmtlat wvgnnledpa

HBC ADYW alespehcsp hhtalrqail cwgdmltlat wvgtnledpa

Woodchuck eltgrehcsp hhtairqalv cwdeltklia wmsnitseq

Ground Squirrel eltgrehcsp hhtairqalv cweeltrlit wmsentteev

APPROVED	O.G. FIG.
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FIG. 6B

81
HBC AYW srdlvsvyn tnmglkfrql lwfhiscldtf gretvleylv
HBC ADW srdlvvnyvn tamglkirql lwfhiscldtf gretvleylv
HBC ADW2 srdlvvnyvn tnvglkirql lwfhiscldtf gretvleylv
HBC ADYW srdlvsvyn tnvglkfrql lwfhiscldtf gretvleylv
Woodchuck vrtiivnhvn dtwglkvrqs lwfhiscldtf ghtvqeflv
Ground Squirrel rriivdhvnn twglkvrqtl wfhiscldtf ghtvqeflvs

121
HBC AYW sfgvwirtpp ayrppnapil stlpettvvr rrgsrprrrt
HBC ADW sfgvwirtpp ayrppnapil stlpettvvr rrdgrsprrr
HBC ADW2 sfgvwirtpp ayrppnapil stlpettvvr rrdgrsprrr
HBC ADYW sfgvwirtpp ayrppnapil stlpettvvr rrgsrprrrt
Woodchuck sfgvwirtpa pyrppnapil stlpehtvir rrggarasrs
Ground Squirrel fgvwirtpap yrppnapils tlpehtvirr rggsraarsp

161
HBC AYW psprrrrsqs prrrrsqsre sqc
HBC ADW rtpsprrrrs qsprrrrrsqs resqc
HBC ADW2 rtpsprrrrps qsprrrrrsqs resqc
HBC ADYW psprrrrsqs prrrrsqsre sqc
Woodchuck prrrtpsprr rrsqsprrrr sqc
Ground Squirrel rrrtpsprrr rsqsprrrrs qspasnc

FIG. 7

V12.Pf1 (C17A) C150

DAYS

0	7	14	0	7	14
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1

[illegible]